

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number
WO 2005/065382 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2004/043959

(22) International Filing Date:
31 December 2004 (31.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/533,788 31 December 2003 (31.12.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYPEPTIDES AND IMMUNOGENIC CONJUGATES CAPABLE OF INDUCING ANTIBODIES AGAINST PATHOGENS, AND USES THEREOF

(57) Abstract: A number of immunologically active agents are described, including an isolated protein or polypeptide that includes the amino acid sequence of SEQ ID NO: 1, immunogenic conjugates containing either the protein or polypeptide, a full-length *Pneumocystis* kexin, or a full length *Streptococcus pneumoniae* pneumococcal surface protein A (PspA), antibodies recognizing the protein or polypeptide or the immunogenic conjugates (particularly the epitope of SEQ ID NO: 1), and nucleic acid molecules that encode the protein or polypeptide, as well as DNA constructs, expression vectors, and host cells that contain the nucleic acid molecules. Disclosed uses of the antibodies, immunogenic conjugates, and DNA constructs include inducing passive or active immunity to treat or prevent pathogen infections, particularly by a *Pneumocystis* organism, in a patient.



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